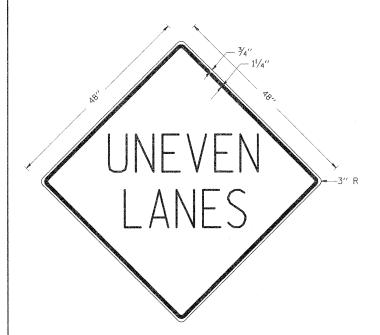
UNEVEN LANES SIGN

 $W8-11 (48'' \times 48'')$



LEGEND AND BORDER - BLACK NON-REFLECTORIZED BACKGROUND - ORANGE REFLECTORIZED

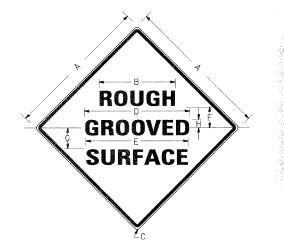
NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

> IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

		REVISIONS								
		DRAWN	2-15-89							
		REVISED	4-06-93							
		REDSIGNED	7-23-04							
STD.	9-41	RESIZED	5-08-08							

ILLINOIS STANDARD



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED BACKGROUND- ORANGE REFLECTORIZED

SIGN			DI	MENS	IONS			
SIZE	· A	В	С	D	E	F	G	Н
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE		SERIE: LINES			MAR- BOR- BLA			
	1	2	3	GIN	DER	STD.		
48X48	7C	7C	7C	0.8	1.2	B4-48D		

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS REDRAWN 2-15-89 REVISED 3-27-08 STD. 9-39 REVISED

6' X 4' BOX CULVERT TO BE

EXTENDED 18' AT ONE END

6' SIDE REQUIRES (4)-3/4" Ø

4' SIDE REQUIRES (3)-3/4" Ø

EXPANSION BOLTS AT

EXPANSION BOLTS AT

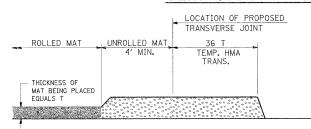
 $(4+3)2 = (14)-\frac{3}{4}$ " Ø EXPAN. BOLTS

20" CENTERS

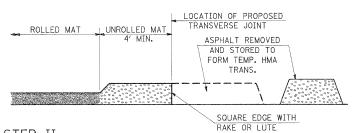
18" CENTERS

TOTAL NO. REQUIRED

TEMPORARY HOT-MIX ASPHALT TRANSITIONS

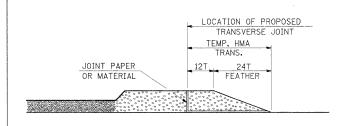


- 1. PLACE HOT-MIX ASPHALT MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
- 2. MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



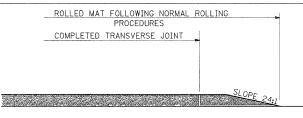
FILE NAME : :\pw.work\pwido

- 1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
- 2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
- 3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME



STEP III

- 1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
- 2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.

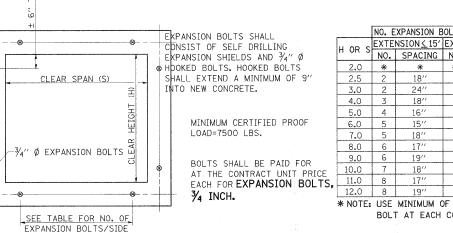


STEP IV

- 1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
- 2. TO RESUME PAVING. AT THE JOINT. REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
- 3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS

REDRAWN 2-15-89 REVISED 8-16-94 REVISED 01-09-07

EXPANSION BOLTS REQUIRED FOR CULVERT **EXTENSIONS**



FOR ANCHOR BOLT REQUIREMENTS, SEE ARTICLE 1006.09 OF THE

			NO. EXPANSION BOLTS REQ'D/SIL									
OR S	EXTE	NSION≤15′	EXTE	NSION >15								
	NO.	SPACING	NO.	SPACING								
	2.0		*	*	*	*						
	2.5		2	18′′	2	18''						
	3.0		2	24''	2	24"						
	4.0		3	18′′	3	18′′						
	5.0		4	16′′	3	24''						
	6.0		5	15′′	4	20′′						
	7.0		5	18′′	4	24''						
	8.0		6	17''	5	21''						
	9.0		6	19''	5	24''						
1	0.0		7	18′′	6	21"						
	11.0		8	17''	6	24"						
1	12.0		8	19"	7	22"						

* NOTE: USE MINIMUM OF 1 EXPANSION BOLT AT EACH CORNER.

EXAMPLE:

ONLY.

FROM TABLE FIND:

CROSS SECTION THRU BARREL

STANDARD SPECIFICATIONS.

	REVISIONS								
	REDRAWN	2-15-							
	REVISED	8-15-							
	REVISED	12-14-							
9-9	REVISED	3-26-							

SE NOELED AT THIS TH	VI	or the st	ANDARD SI ECH TOATTONS.	STD. 9-26 RESIZED 05-8-08								STD.	9-9 REVI	SED 3-26-08	
	USER NAME = knightsm	DESIGNED -	REVISED -		DETAILS	- UNEVEN LANE	S ANI	D ROU	GH GROOV	VED SURFACE SIGNS,	F.A.P.	SECTION	COUNTY	TOTAL SHEET	
widot\knightsm\dØ157472\7815	5-sht-details.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS		URAA TDARICI	TIONS	AND	EVDANCIO	M PAITS	331	(1X-1)R-1,RS-2,N-2,TS-3	WILLIAMSON	167 92	1
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	HMA TRANSITIONS, AND EXPANSION BOLTS						CONTRACT NO. 78155			1	
	PLOT DATE = 3/22/2011	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	S STA.	TO STA.		ILLINOIS FED.	AID PROJECT		1